Department of Veterans Affairs
Carl T. Hayden Veterans Affairs Medical Center
Site Electrical Distribution Upgrade

Approved: Director

Approved: Associate Director

Approved: Administrator to Facility Services

Approved: Assistant Administrator to Facility Services

Approved: Chief of Projects

Approved: Project Manager

ABBREVIATIONS

A		E		K		R	
AFF	ABOVE FINISHED FLOOR	EA	EACH	KPL	KICKPLATE	R	RADIUS, RISER
ACST	ACOUSTIC (AL)	E	EAST	KIT	KITCHEN	RWD	REDWOOD
ACT	ACOUSTICAL CEILING TILE	EWC	ELECTRIC WATER COOLER	KB	KNEE BRACE	REF	REFERENCE, REFRIGERATOR
APC	ACOUSTICAL PANEL CEILING	ELEC	ELECTRIC (AL)			REINF	REINFORCE
AWP	ACOUSTICAL WALL PANEL	EL	ELEVATION	L		REQD	REQUIRED
AWT	ACOUSTICAL WALL TREATMENT	ELEV	ELEVATOR	LAB	LABORATORY	RB	RESILIENT BASE
		EMER	EMERGENCY	LAM	LAMINATE	RF	RESILIENT FLOORING
ADJ	ADJUSTABLE	ENGR	ENGINEER	LC	LAUNDRY CHUTE	RA	RETURN AIR
A/C	AIR CONDITIONING	EQ	EQUAL	LV	LAVATORY	REV	REVISION
AHU	AIR HANDLING UNIT	EQUIP	EQUIPMENT	LT	LIGHT	RD	ROOF DRAIN
ALT	ALTERNATE	EXIST	EXISTING	LD	LINEAR DIFFUSER	RM	ROOM
ALUM	ALUMINUM	ETR	EXISTING TO REMAIN	L CL	LINEN CLOSET	RO	ROUGH OPENING
AB	ANCHOR BOLT	EXP	EXPANSION	LL	LIVE LOAD	RS	ROUGH SAWN
L	ANGLE	EXP BT	EXPANSION BOLT	LLV	LONG LEG VERTICAL		
APPROX	APPROXIMATE	EJ	EXPANSION JOINT	LPT	LOW POINT	S	
ARCH	ARCHITECT (URAL)	EXP	EXPOSED			SCHED	SCHEDULE
ASPH	ASPHALT	EXT	EXTERIOR	M		SECT	SECTION
ASSY	ASSEMBLY	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	MACH	MACHINE	SHTHG	SHEATHING
AUTO	AUTOMATIC			MH	MANHOLE	SHT	SHEET
AWN	AWNING			MFD	MANUFACTURED	SHV	SHELVING
		F		MFR	MANUFACTURER	SIM	SIMILAR
B		FWC	FABRIC WALL COVERING	MRB	MARBLE BASE	S	SOUTH
BALC	BALCONY	FT	FEET, FOOT	MRF	MARBLE FLOOR	SP FIN	SPECIAL FINISH
BSMT	BASEMENT	FGL	FIBERGLASS	MKR BD	MARKER BOARD	SPEC	SPECIFICATION
BM	BEAM, BENCHMARK	FIN	FINISH	MO	MASONRY OPENING	SQ	SQUARE
BR	BEDROOM	FIN GR	FINISH GRADE	MATL	MATERIAL	SF	SQUARE FEET
BLKG	BLOCKING	FDV	FIRE DEPARTMENT VALVE	MAX	MAXIMUM	SST	STAINLESS STEEL
BD	BOARD	FE	FIRE EXTINGUISHER CABINET	MECH	MECHANICAL	STD	STANDARD
BOT	BOTTOM	FEC	FIRE EXTINGUISHER	MED	MEDICAL	STL	STEEL
BRKT	BRACKET			MC	MEDICINE CABINET	STL JST	STEEL JOIST
BRK	BRICK	FHC	FIRE HOSE CABINET	MEMB	MEMBRANE	STOR	STORAGE
B CL	BROOM CLOSET	FP	FIREPROOF	MTL	METAL	STRUCT	STRUCTURAL
BLDG	BUILDING	FIXT	FIXTURE	MIN	MINIMUM, MINUTE	S4S	SURFACED FOUR SIDES
BLT IN	BUILT-IN	FLASH	FLASHING	MISC	MISCELLANEOUS	SUSP	SUSPEND
BUR	BUILT-UP ROOFING	FLEX	FLEXIBLE	MOD	MODIFIED	SW	SWITCH
		FLR	FLOOR	MLDG	MOLDING	SYMM	SYMMETRICAL
C		FD	FLOOR DRAIN				
CAB	CABINET	FLUOR	FLUORESCENT	N		T	
CPT	CARPET	FTG	FOOTING	NAT FIN	NATURAL FINISH	TK BD	TACKBOARD
CSMT	CASEMENT	FDTN	FOUNDATION	NOM	NOMINAL	TEL	TELEPHONE
CI	CAST IRON	FRMG	FRAMING	N	NORTH	TV	TELEVISION
CB	CATCH BASIN	FURN	FURNACE, FURNITURE	NA	NOT APPLICABLE	TMPD	TEMPERED
CLG	CEILING			NIC	NOT IN CONTRACT	TEMP	TEMPORARY
CEM	CEMENT	G		NTS	NOT TO SCALE	TER	TERRAZZO
CL	CENTER LINE	GA	GAGE	NO	NUMBER	THK	THICKNESS
CER	CERAMIC	GALV	GALVANIZED			TPD	TOILET PAPER DISPENSER
CT	CERAMIC TILE	GC	GENERAL CONTRACTOR	O		T&G	TONGUE AND GROOVE
CO	CLEANOUT, CASED OPENING	GEN	GENERATOR	OFF	OFFICE	TOS	TOP OF SLAB, STEEL
CLR	CLEAR, COLOR	GL	GLASS	OC	ON CENTER	T	TREAD
CLO	CLOSET	GL BLK	GLASS BLOCK	OPNG	OPENING	TYP	TYPICAL
COL	COLUMN	GB	GRAB BAR	OPP	OPPOSITE		
CMPST	COMPOSITE	GR	GRADE	OPH	OPPOSITE HAND	U	
CONC	CONCRETE	GRAN	GRANITE	ORCH	ORCHESTRA	UC	UNDERCUT
CMU	CONCRETE MASONRY UNIT	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	ORN	ORNAMENTAL	UNFIN	UNFINISH
CONSTR	CONSTRUCTION			OD	OUTSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	GUT	GUTTER	OH	OVERHANG, OVERHEAD		
CONTR	CONTRACTOR	GYP BD	GYPSUM BOARD	OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED	V	
COTR	CONTRACTING OFFICER			PTD	PAPER TOWEL DISPENSER	VAC	VACUUM
CJ	CONTROL JOINT	H		PTN	PARTITION	VR	VAPOR RETARDER
COP	COPING	HNDRL	HANDRAIL	PERF	PERFORATED	VNR	VENEER
CU	COPPER	HDW	HARDWARE	PC	PIECE	VP	VENEER PLASTER
CG	CORNER GUARD	HDWD	HARDWOOD	PLAM	PLASTIC LAMINATE	VIF	VERIFY IN FIELD
CORR	CORRIDOR	HD	HEAD	PLAS	PLASTIC, PLASTER	VERT	VERTICAL
CNTR	COUNTER	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	PSF	POUNDS PER SQUARE FOOT	VEST	VESTIBULE
CSK	COUNTER SUNK	HT	HEIGHT	PSI	POUNDS PER SQUARE INCH	VCT	VINYL COMPOSITION TILE
		HPT	HIGH POINT	PCC	PRECAST CONCRETE	VWC	VINYL WALL COVERING
D		HC	HOLLOW CORE	PREFAB	PREFABRICATE		
DMPF	DAMPPROOFING	HM	HOLLOW METAL	PREFIN	PREFINISH	W	
DL	DEAD LOAD	HORIZ	HORIZONTAL	PROD	PRODUCTION	W CAB	WALL CABINETS
DEMO	DEMOLITION	HB	HOSE BIBB			WC	WALL COVERING, WATER CLOSET
DET	DETAIL	HOSP	HOSPITAL	Q	QUANTITY		
DIA	DIAMETER	HR	HOUR	QT	QUARRY TILE	W	
DIFF	DIFFUSER					WF	WIDE FLANGE
DIM	DIMENSION	I				WDW	WINDOW
DR	DOOR, DRAIN	IN	INCH			W/	WITH
DH	DOUBLE HUNG	INFO	INFORMATION			W/O	WITHOUT
DN	DOWN	ID	INSIDE DIAMETER			WD	WOOD
DS	DOWNSPOUT	INSULN	INSULATED,INSULATION			WDP	WOOD PANELING
DWR	DRAWER	INT	INTERIOR				
DWG	DRAWING						
DF	DRINKING FOUNTAIN						
DUPL	DUPLICATE	J					
		JAN	JANITOR				
		JT	JOINT				

SYMBOL LEGEND

SYMBOL / DESCRIPTION

- NEW WALL
- EXISTING WALL
- DEMOLITION
- 2 HOUR FIRE WALL
- 2 HOUR FIRE/SMOKE WALL
- 30 MINUTE SMOKE BARRIER
- SMOKE RESISTIVE HAZARDOUS AREA
- CONTRACT LIMIT LINE
- COLUMN CENTER LINE

ELEVATION NUMBER (1, 2, 3, 4) / AE-710 / SHEET WHERE APPEARS

WINDOW TAG (X) / DOOR NUMBER

EXISTING COLUMN CENTER LINE (X / A)

ELEVATION NUMBER (DX) / SHEET WHERE APPEARS (A3–301)

PLAN OR DETAIL NUMBER (X)

BUILDING SECTION CUT (AA / AE-301)

OTHER SECTION CUT (AA / AE-301) SHEET WHERE APPEARS (TYPICAL)

DETAIL FLAG NUMBER (12 / AE-501)

GLASS TYPE (1)

WINDOW TYPE (A)

WALL TYPE (A1)

KEYED NOTE (X)

INTERIOR FINISH TYPE (CPT1)

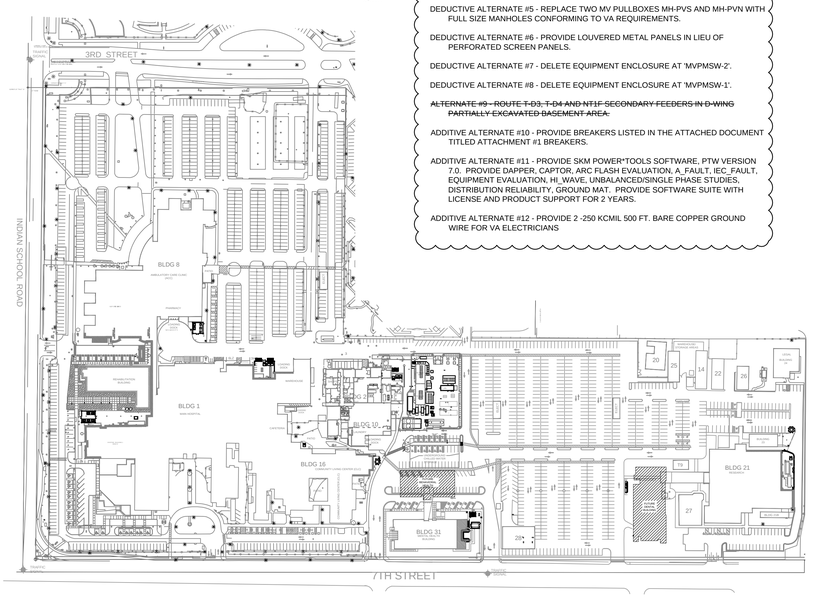
FURNITURE, FIXTURE, EQUIPMENT (W-X)

WINDOW TREATMENT TYPE (X)

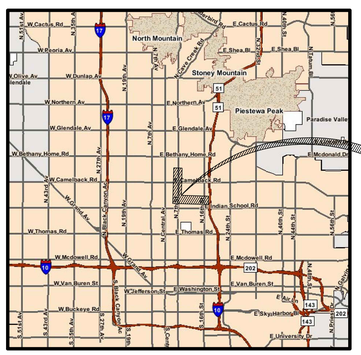
EQUIPMENT (EQ-X)

DASHED LINE AROUND AREA DETAILED

FACILITY MAP



VICINITY MAP



PROJECT PHASING NOTES

WORK HOURS FOR THE UNDERGROUND PORTION OF THE WORK, AND FOR AREAS WHICH IMPACT BUILDING ENTRANCES AND FACILITY FUNCTIONS SHALL BE FROM 20:00 TO 05:30 HOUR, MONDAY THROUGH FRIDAY. TRAFFIC CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY, INCLUDING AHAs, TRAFFIC CONTROL PLANS, FLAGGERS, SIGNAGE, BARRICADES, LIGHTING, PLATING, AND ANY ADDITIONAL RESOURCES AS REQUIRED ENSURING FACILITY ACCESS AND FACILITY FUNCTION IS NOT DISRUPTED. ALL TRENCHES AND HOLES SHALL BE PLATED AND RESTORED FOR TRAFFIC BY 05:30, MONDAY, THROUGH FRIDAY. NOTE: SATURDAY AND SUNDAY WORK TIMES ARE NOT RESTRICTED.

TRENCHING AND WORK ZONES WILL NEED TO BE COORDINATED WITH VA TO MINIMIZE DISRUPTIONS TO THE CAMPUS. UNDERGROUND WORK WILL NEED TO BE PHASED BY AREAS AND MULTIPLE AREAS MAY NOT BE ALLOWED. IN ADDITION TO SPECIFICATION REQUIREMENTS NOISE CONTROL PLANS SHALL BE REQUIRED TO ADDRESS SOURCE CONTROL AND PATH CONTROL TO ENSURE PATIENTS, EMPLOYEES AND FACILITY FUNCTIONS ARE NOT DISTURBED.

EXACT METHODS AND PROCEDURES FOR UTILITY OUTAGES WILL REQUIRE ADVANCE COORDINATION AND PLANNING TO INCLUDE A MINIMUM APPROVAL REQUIREMENT OF 1 MONTH PRIOR. SCHEDULE APPROVAL AND 100% OF SUBMITTAL APPROVALS SHALL BE REQUIRED PRIOR TO CONSTRUCTION START. ALL OUTAGES SHALL BE COMPLETED IN A MANNER THAT ELIMINATES, OR LIMITS, DISTURBANCE TO THE FACILITY TO INCLUDE TEMPORARY GENERATORS, CABLING, ETC. AS REQUIRED.

MOST OF THE CAMPUS MV TRANSFORMERS ARE SERVED VIA PRIMARY-SELECTIVE DISTRIBUTION. IT SHOULD BE POSSIBLE TO PHASE THE WORK MOVING FEEDS FROM ONE SOURCE TO ANOTHER. WHERE MV DISTRIBUTION, DOES NOT PERMIT FOR SWITCHING BETWEEN SOURCES, OR WHERE LV DISTRIBUTION IS RADIAL, WITHOUT MAIN-TIE-MAIN, PROVIDE TEMPORARY POWER PROVISIONS TO MAINTAIN SERVICE TO AFFECTED SYSTEMS AS REQUIRED.

EXISTING FACILITY LOADS ARE ON MV-SES-1A, HOWEVER THE SYSTEM MAY BE RECONFIGURED DUE TO FACILITY REQUIREMENTS AT THE TIME OF CONSTRUCTION START. CONTRACTOR SHALL BE REQUIRED TO VERIFY AND INCORPORATE INTO SCHEDULING AND PLANNING. FOR THE PURPOSE HERE WE SHALL ASSUME A BALANCED LOAD UTILIZING MV-SES-1A AND MV-SES-2A.

TYPICAL DISTRIBUTION ELEMENT PHASING SHALL BE AS FOLLOWS:

1. TRENCH FOR NEW DUCTBANKS AND NEW MANHOLES.
2. INSTALL NEW DUCTS AND NEW MANHOLES AS PERMITTED BASED ON DE-ENERGIZED EQUIPMENT.
3. CONSTRUCT NEW EQUIPMENT ENCLOSURES AND PADS.
4. MOVE LOADS IMPACTED BY THIS PROJECT TO MV-SES-1A.
5. INSTALL NEW TRANSFORMERS, PRIMARY FEEDERS AND SECONDARY FEEDERS. CONNECT TO EQUIPMENT.
6. RELOCATE LOADS TO MV-SES-2A
7. INSTALL NEW TRANSFORMERS, PROMARY AND SECONDARY FEEDERS. CONNECT TO NEW EQUIPMENT.

CODE REFERENCES

BUILDING CODE:
2015 NATIONAL FIRE PROTECTION ASSOCIATION 101 (NFPA 101)

ACCESSIBILITY CODE & GUIDELINES:
ABAAS & BFDG

MECHANICAL CODE:
2012 INTERNATIONAL MECHANICAL CODE

ELECTRICAL CODE:
2014 NATIONAL ELECTRIC CODE

BUILDING INFORMATION

BUILDINGS INVOLVED IN PROJECT INCLUDE THE FOLLOWING:
BUILDING 1,8,16,21,31

AREA OF REMODEL IS MECHANICAL AND ELECTRICAL YARD

TYPE I (332), FULLY SPRINKLED
3-HOUR EXTERIOR BEARING WALLS, 3-HOUR STRUCTURE PROTECTION, AND 2-HOUR FLOORS

NO OCCUPANT LOAD WILL BE AFFECTED BY THIS PROJECT OR THE CONSTRUCTION OPERATION

ALTERNATES

ADDITIVE ALTERNATE #1 - PROVIDE MV FEEDER SERVING ESS TRANSFORMER NT1F VIA ROUTE EAST OF BUILDIGS 1 AND 16. PROVIDE (5) SPARE 5" CONDUIT IN DUCTBANK. PROVIDE MANHOLES AS INDICATED.

ADDITIVE ALTERNATE #2 - REMOVE AND REPLACE EXISTING MEDIUM VOLTAGE TRANSFORMERS WITH SIMILAR EQUIPMENT BUT WITH FR3 OIL AND FM GLOBAL APPROVED RATING. FOR THIS ALTERNATE ALL TRANSFORMERS IDENTIFIED SHALL BE REPLACED HOWEVER AN INDEPENDENT BREAKDOWN COST FOR EACH TRANSFORMER SHALL BE REQUIRED.

~~ALTERNATE #3 - PROVIDE BASEMENT EXPANSION IN LIEU OF "P" YING ELECTRICAL ENCLOSURE. PROVIDE 1500 KVA DRY-TYPE SUBSTATIONS TO REPLACE T-D3 AND T-D4 AND 1500 KVA DRY-TYPE SUBSTATION TO REPLACE TRANSFORMER NTIF.~~

~~ALTERNATE #3.1 - SAME AS ALTERNATE #3 EXCEPT IN LIEU OF DRY-TYPE SUBSTATIONS, SUBSTATIONS ARE INDOOR RATED, FM GLOBAL APPROVED, FR-3 FLUID FILLED TRANSFORMERS WITH INTEGRAL SELF-CONTAINMENT, AND FUSING AND SWITCHING IMMERSED IN THE DIELECTRIC, RESULTING IN A SMALLER FOOTPRINT.~~

~~ALTERNATE #4 - IN LIEU OF NEW STEP-UP AND STEP-DOWN TRANSFORMERS T-ESS4 AND T-ESS5, SERVE BUILDING 31 EES PANEL 31GPEH1 AT 480 V FROM 131PSWGR1 DIRECT.~~

DEDUCTIVE ALTERNATE #5 - REPLACE TWO MV PULLBOXES MH-PVS AND MH-PVN WITH FULL SIZE MANHOLES CONFORMING TO VA REQUIREMENTS.

DEDUCTIVE ALTERNATE #6 - PROVIDE LOUVERED METAL PANELS IN LIEU OF PERFORATED SCREEN PANELS.

DEDUCTIVE ALTERNATE #7 - DELETE EQUIPMENT ENCLOSURE AT 'MVPMSW-2'.

DEDUCTIVE ALTERNATE #8 - DELETE EQUIPMENT ENCLOSURE AT 'MVPMSW-1'.

~~ALTERNATE #9 - ROUTE T-D3, T-D4 AND NT1F SECONDARY FEEDERS IN D-WING PARTIALLY EXCAVATED BASEMENT AREA.~~

ADDITIVE ALTERNATE #10 - PROVIDE BREAKERS LISTED IN THE ATTACHED DOCUMENT TITLED ATTACHMENT #1 BREAKERS.

ADDITIVE ALTERNATE #11 - PROVIDE SKM POWER*TOOLS SOFTWARE, PTW VERSION 7.0. PROVIDE DAPPER, CAPTOR, ARC FLASH EVALUATION, A_FAULT, IEC_FAULT, EQUIPMENT EVALUATION, HI_WAVE, UNBALANCED/SINGLE PHASE STUDIES, DISTRIBUTION RELIABILITY, GROUND MAT. PROVIDE SOFTWARE SUITE WITH LICENSE AND PRODUCT SUPPORT FOR 2 YEARS.

ADDITIVE ALTERNATE #12 - PROVIDE 2 -250 KCMIL 500 FT. BARE COPPER GROUND WIRE FOR VA ELECTRICIANS

PROJECT DESCRIPTION

THIS PROJECT SERVES AS A CONTINUATION OF THE ELECTRICAL INFRASTRUCTURE UPGRADE/CODE DEFICIENCIES CORRECTION EFFORT AT THE CARL T. HAYDEN VA MEDICAL CENTER IN PHOENIX, ARIZONA.

THIS PROJECT ADDRESSES THE FOLLOWING ITEMS:

1. REPLACEMENT OF EXISTING AGED EQUIPMENT AT VARIOUS LOCATIONS ON THE CAMPUS.

2. REMOVAL AND / OR RELOCATION OF ESSENTIAL ELECTRICAL EQUIPMENT. THIS SHALL INCLUDE BUT NOT BE LIMITED TO EXTENSIVE TRENCHING FOR DUCTBANKS AND RE-PAIRING PAVEMENT, CONCRETE CURBS, SIDEWALKS, AND LANDSCAPING AS REQUIRED FOR THE NEW CONDUIT RUNS.

3. THE SCOPE OF WORK SHALL ALSO INCLUDE METAL & MASONRY ENCLOSURES AROUND THE ESSENTIAL ELECTRICAL EQUIPMENT, CONCRETE EQUIPMENT PADS AND MISCELLANEOUS SECURITY ITEMS.

GENERAL NOTES

1. REFER AND ADHERE TO THE INFECTION PREVENTION MEASURE REQUIREMENTS IN SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS.
2. CONTRACTOR TO REFER TO THE VA COTR AND ASBESTOS REMEDIATION STUDY FOR ACTIONS CONCERNING THE POSSIBLE PRESENCE OF ASBESTOS.
3. NOTE NOT ALL KEYNOTES ARE ON ALL SHEETS.
4. ALL NEW AND ABANDONED PENETRATIONS ARE TO BE SEALED TO MATCH EXISTING CONSTRUCTION AND RATING REQUIREMENTS. SEE FLOOR PLANS.
5. PROTECT ALL FURNISHINGS AND EQUIPMENT DURING CONSTRUCTION FROM DAMAGE AND CONSTRUCTION DEBRIS.

INFECTION CONTROL MEASURES

NOTE: IN ADDITION TO THE FOLLOWING INFECTION CONTROL MEASURES, THE CONTRACTOR SHALL REVIEW THE VA SAFETY-QUALITY CONTROL-INFECTION CONTROL DOCUMENTS IN THE SPECIFICATIONS.

DURING CONSTRUCTION:

A. ISOLATE HVAC SYSTEM IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.

B. COMPLETE ALL CRITICAL BARRIERS I.E. SHEET ROCK, PLYWOOD, PLASTIC, TO SEAL AREA FROM NON-WORK AREA OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS.

C. MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. PROVIDE NEGATIVE AIR PRESSURE MONITOR.

D. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY.

E. CONSTRUCT ANTEROOM AND REQUIRE ALL PERSONNEL TO PASS THROUGH THIS ROOM SO THEY CAN BE VACUUMED USING A HEPA VACUUM CLEANER BEFORE LEAVING WORK SITE OR THEY CAN WEAR CLOTH OR PAPER COVERALLS THAT ARE REMOVED EACH TIME THEY LEAVE THE WORK SITE.

F. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY A SAFETY OFFICER AND INFECTION CONTROL COORDINATOR AND THOROUGHLY CLEANED BY THE ENVIRONMENTAL MANAGEMENT SERVICES.

UPON COMPLETION OF PROJECT:

A. REMOVE BARRIER MATERIAL CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.

B. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.

C. COVER TRANSPORT RECEPTACLES OR CARTS. TAPE COVERING UNLESS SOLID LID.

D. VACUUM WORK AREA WITH HEPA FILTERED VACUUMS.

E. WET MOP AREA WITH DISINFECTANT.

F. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

TEMPORARY CONSTRUCTION BARRIERS:

1. THE CONTRACTOR SHALL USE THE FOLLOWING AS A GUIDE FOR ALL ICRA BARRIERS. TEMPORARY INFECTION CONTROL BARRIERS SHALL BE CONSTRUCTED AS FOLLOWS DEPENDING UPON LENGTH OF NEED:
   A. 1 DAY MAXIMUM - FLAME-RETARDANT PLASTIC
   B. 1 WEEK MAXIMUM - FLAME-RETARDANT PLASTIC
   C. GREATER THAN 1 WEEK - SEE NOTE 2 AND 3.
2. TEMPORARY CONSTRUCTION BARRIERS SHALL BE 3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD. EACH SIDE. BARRIERS ARE TO EXTEND TO THE BOTTOM OF EXISTING CEILINGS. PROVIDE NON-DAMAGING SEAL AT INTERSECTION WITH CEILING. PROVIDE PLASTIC SHEET BARRIER SEAL BETWEEN TOP OF WALL AND STRUCTURE ABOVE. TAPE ALL SEAMS AND PENETRATION OPENINGS TO PREVENT CONTAMINATION FROM PASSING OVER THE TOP OR UNDERNEATH THE WALL FROM CONSTRUCTION AREAS.
3. TEMPORARY CONSTRUCTION BARRIERS SHALL BE EITHER TYPE I OR TYPE II. TYPE I BARRIERS SHALL BE ANCHORED TO THE FLOORING SURFACE (WHICH IS INTENDED TO BE REPLACED) WITH POWER ACTUATED FASTENERS. TYPE II BARRIERS SHALL BE ANCHORED TO THE FLOORING SURFACE (WHICH IS INTENDED TO REMAIN) BY TAPING BOTTOM STUD TRACK TO FLOOR SURFACE OR BY OTHER METHODS WHICH WILL NOT HARM FLOOR SURFACE.
4. TEMPORARY PARTITIONS SHALL NOT CONSTRICT WALKWAYS TO LESS THAN 6'-0" CLEAR. ANY EXITS CHANGED OR BLOCKED SIGNAGE NEEDS TO BE POSTED FOR THE MODIFICATIONS.
5. PROVIDE TEMPORARY RATED DOOR AND FRAME IN CONSTRUCTION BARRIER AT ENTRY POINTS TO THE CONSTRUCTION AREAS. DOORS ARE TO REMAIN LOCKED AT ALL TIMES. CONSTRUCTION CORES WILL BE PROVIDED BY THE VA.

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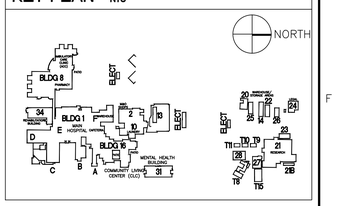
INDEX OF DRAWINGS

KEY PLAN NTS



"BID SET"

Revisions	Date
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⚠1 ADDENDUM NO. 1	08/18/2015

CONSULTANT:

33470 RADAMES O. COCCO — REGISTERED ARCHITECT — STATE OF ARIZONA — Signature Date 08.18.2015 — Expires: 3/31/2017

Seal applies to Addendum revisions only.

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Drawing Title: **TITLE SHEET**

Approved Project Director

Project Title: SITE ELECTRICAL DISTRIBUTION UPGRADE

Location: PHOENIX, AZ

Date: 03-06-2015 | Checked: OR | Drawn: DC

Project Number: 644-13-015 / 644-14-003

Building Number: 1, 8, 16, 21, 31

Drawing Number: **GI-001**

Dwg. 1 of 49

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231